TOSHIBA
Leading Innovation
STORAGE PRODUCTS DIVISION

HDD

MD04ABAxxxV

3.5-INCH Surveillance HDD

Designed for surveillance applications, with support for up to 32 high definition cameras and 24/7 operation, the MD04ABA-V Series also incorporates rotational vibration (RV) sensors, making it suitable for use in RAID/multi-HDD based surveillance platforms.

APPLICATIONS

- Video Surveillance Systems
- Entry-Level Workstation
- Home/SMB NAS
- RAID Systems

FEATURES	ADVANTAGES
Up to 5 TB capacity	Flexibility to retain higher resolution surveillance video data for longer data retention periods
Support for up to 32 high definition cameras per drive and up to 32 drives per system	Enables all-around surveillance
Rotational Vibration Sensor (RV)	Suitable for RAID/multi-HDD based platforms
24/7 Operation at 1 million hour MTTF	High reliability
128 MB Buffer	Better streaming performance
Low Power Consumption	Good cost efficiency

SPECIFICATIONS

	MD04ABA400V	MD04ABA500V
Series Overview:		
Storage Capacity, Formatted	4 TB	5 TB
Drive Interface	SATA 2.6/3.0 (1.5Gbit/s, 3.0 Gbit/s, 6.0 Gbit/s)	
Logical Blocks	512 B /sector (HOST) & 4,096 B/sector (DISK)	
Performance:		
Rotational Speed	Low Spin	
Seek Time Average (read)	14 ms	
Seek Time Average (write)	15 ms	
Average Latency	5.56 ms	
Sustained Transfer Rate (max.)	150 MiB/s	150 MiB/s
Buffer Size	128 MiB	
Power Requirements:		
Voltage	+5 V (±5%) +12 V (±10%)	
Read / Write Power	6.5 watts	
Low Power Idle	3.5 watts	
Physical & Environmental Specifications Dimensions:		
Width x Depth x Height	101.6 x 147 x 26.1 mm	
Weight max.	720 g max.	
Enviromental:		
Temp: Operating / Non-operating	0 to 70 °C / - 40 to 70 °C	
Shock Operating / Non-operating	70G / 300 G with 2ms	
Vibration: Operating	0.75 G with 5 to 300 Hz	
Altitude: Operating	- 305 to 3,048m	
Acoustics (ready)	26 dB	
Reliability		
Error rate non-recoverable	$1/10^{14}$ bits read	

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